

## INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR 03/00950

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C03C25/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C03C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 823 103 A (HARDING J) 9 July 1974 (1974-07-09) column 1, line 27 - line 59 column 4, line 54 - line 56	1, 4, 5, 7-9
X	US 3 350 345 A (CLAYTON ROBERT E ET AL) 31 October 1967 (1967-10-31) column 1, line 10 - line 13 column 2, line 19 - line 20	1, 4, 5, 7-9
X	US 4 247 436 A (ROEDDER KARL-MARTIN ET AL) 27 January 1981 (1981-01-27) column 1, line 24 - column 3, line 35 column 4, line 50 column 7, line 65 - column 8, line 7 -/--	1, 4, 5, 7-9

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&amp;\* document member of the same patent family

Date of the actual completion of the international search

24 July 2003

Date of mailing of the international search report

31/07/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Van Bomme1, L

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FR 03/00950

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4 524 000 A (DIXON ARNOLD G ET AL) 18 June 1985 (1985-06-18) column 2, line 13 - line 35 column 3, line 27 column 4, line 7 column 4, line 28 ---	1,2,8
X	FR 2 178 704 A (DYNAMIT NOBEL AG) 9 November 1973 (1973-11-09) page 4, line 13 - line 14; claims; example 4 ---	1,7-9
X	US 5 109 057 A (ITO MASAHIRO ET AL) 28 April 1992 (1992-04-28) column 2, line 35 - line 37 ---	8
A	WO 01 90017 A (AUGIER ERIC ;DALLIES ERIC (FR); SAINT GOBAIN VETROTEX FRANCE S (FR) 29 November 2001 (2001-11-29) claims -----	1-9

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR 03/00950

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3823103	A	09-07-1974	AU 471351 B2	15-04-1976
			AU 4471072 A	24-01-1974
			CA 987411 A1	13-04-1976
			DE 2235439 A1	01-02-1973
			FR 2146448 A1	02-03-1973
			GB 1394282 A	14-05-1975
			JP 51018262 B	08-06-1976
			SE 392474 B	28-03-1977
US 3350345	A	31-10-1967	DE 1467440 A1	13-03-1969
			FR 1397196 A	30-04-1965
			GB 1062595 A	22-03-1967
			NL 301721 A	
US 4247436	A	27-01-1981	DE 2624888 A1	15-12-1977
			BE 855370 A1	03-10-1977
			CA 1100678 A1	05-05-1981
			CA 1116782 A2	19-01-1982
			FR 2353594 A1	30-12-1977
			FR 2364227 A1	07-04-1978
			GB 1584634 A	18-02-1981
			GB 1584633 A	18-02-1981
			IT 1115765 B	03-02-1986
			JP 52147654 A	08-12-1977
			NL 7706153 A	06-12-1977
			NO 771940 A	06-12-1977
			NO 821974 A	06-12-1977
			SE 7706446 A	04-12-1977
			US 4195141 A	25-03-1980
US 4524000	A	18-06-1985	GB 2135207 A	30-08-1984
			AU 559088 B2	19-02-1987
			AU 2461284 A	23-08-1984
			BR 8400659 A	25-09-1984
			CA 1224112 A1	14-07-1987
			DK 67884 A ,B,	18-08-1984
			EP 0119637 A2	26-09-1984
			ES 8700574 A1	16-01-1987
			JP 59156404 A	05-09-1984
			NL 8400190 A	17-09-1984
			NO 840552 A ,B,	20-08-1984
			ZA 8401107 A	26-09-1984
FR 2178704	A	09-11-1973	DE 2215600 A1	04-10-1973
			BE 797506 A1	16-07-1973
			FR 2178704 A5	09-11-1973
			IT 980040 B	30-09-1974
			SE 383170 B	01-03-1976
US 5109057	A	28-04-1992	JP 2145660 A	05-06-1990
			JP 2772002 B2	02-07-1998
			DE 3939180 A1	31-05-1990
			KR 133525 B1	20-04-1998
			KR 140214 B1	15-06-1998
WO 0190017	A	29-11-2001	FR 2809389 A1	30-11-2001
			AU 6400601 A	03-12-2001
			EP 1284940 A1	26-02-2003

## INTERNATIONAL SEARCH REPORT

**information on patent family members**

Internat Application No

PCT/FR 03/00950

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0190017	A	WO 0190017 A1	29-11-2001